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CHEMICALLY MODIFIED OIL PRODUCTS AND INDUSTRIAL USES
A LIST OF PUBLICATIONS AND PATENTS FOR 1963

of the
Northern Utilization Research and Development Division
Peoria, Illinois

PUBLICATIONS

[Publications marked (*) are not available for distribution. When requesting specific reprints, please order by number.]

22-PL-480 * DETERMINAZIONE MEDIANTE IL METODO ISOPIESTICO DEL PESO MOLECOLARE DI OLI TERMOPOLIMERIZZATI E DI LORO FRAZIONI. [Molecular Weight Determination of Heat-Polymerized Oils and Their Fractions by Isobaric Methods.]
E. Fedeli, A. Arpino, and P. Capella.
Stazione Sperimentale Olii e Grassi, Milan, Italy.[1]
Chim. Ind. (Milan) 45: 208-211. February 1963.

34-PL-480 UNTERSUCHUNGEN AUF DEM GEBIET DER THERMOPOLYMERISIERTEN PFLANZENÖLE. II. MITTEILUNG. [Studies in the Field of Heat-Polymerized Vegetable Oils. II.]
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Experiment Station for the Fats and Oils Industries, Milan, Italy.[1]
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35-PL-480 LA REAZIONE FITELSON: IDENTIFICAZIONE DELLA STRUTTURA DELLA TEASINA. [Fitelson's Reaction, Identification of Teasine Structure.]
P. Capella, E. Fedeli, M. Cirimele, and G. Jacini.
Experiment Station for the Fats and Oils Industries, Milan, Italy.[1]
Riv. Ital. Sostanza Grasse 40(6): 296-299. June 1963.

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[1] Report of research work supported with funds provided by the U.S. Department of Agriculture under the authority of U.S. Public Law 480, 83rd Congress, and sponsored by the Northern Division.

1543 DIMETHYL MALEATE ADDUCTS OF VEGETABLE OILS AS PLASTICIZERS FOR NITRILE RUBBERS.
W. R. Miller, E. W. Bell, and H. M. Teeter.
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1508 REACTIONS OF UNSATURATED FATTY ALCOHOLS. XV. STYRENATION OF FATTY VINYL ETHER POLYMERS IN TERPENE SOLVENTS.
L. E. Gast, Wilma J. Schneider, H. M. Teeter, G. E. McManis, and J. C. Cowan.
J. Am. Oil Chemists' Soc. 40(3): 88-91. March 1963.

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Toshiyuki Shono and C. S. Marvel.
The University of Arizona, Tucson.[2]
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113-C PREPARATION AND POLYMERIZATION OF VINYL 12-HYDROXYSTEARATE.
Toshiyuki Shono and C. S. Marvel.
The University of Arizona, Tucson.[2]
J. Polymer Sci., Part A, 1(6): 2067-2074. June 1963.

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C. S. Marvel and T. K. Dykstra.
Noyes Chemical Laboratory, University of Illinois, Urbana.[2]
F. C. Magne.[3]
J. Polymer Sci. 62(174): 369-377. December 1962.

1607 * POLY(ESTER-ACETALS).
E. H. Pryde and J. C. Cowan.
"High Polymers," vol. XIII "Polyethers," Part I "Polyalkylene Oxides and Other Polyethers," ed. Norman G. Gaylord, section VIII of chap. VII, pp. 442-446. New York. 1963.

1606 * POLY(AMIDE-ACETALS).
E. H. Pryde and J. C. Cowan.
"High Polymers," vol. XIII "Polyethers," Part I "Polyalkylene Oxides and Other Polyethers," ed. Norman G. Gaylord, section IX of chap. VII, pp. 446-453. New York. 1963.

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J. Am. Oil Chemists' Soc. 40(5): 175-179. May 1963.

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[2] Report of research work done by an outside agency under contract with the U.S. Department of Agriculture and supervised by the Northern Division.

[3] Southern Utilization Research and Development Division, New Orleans, La.

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E. H. Pryde, D. E. Anders, H. M. Teeter, and J. C. Cowan.
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1610 METHYL AZELAALDEHYDATE PURIFICATION VIA THE BISULFITE COMPOUND.
W. R. Miller, D. J. Moore, and J. G. Fullington.
J. Am. Oil Chemists' Soc. 40(12): 720-721. December 1963.

1509 EMULSIFIERS DERIVED FROM LINSEED OIL AND THEIR POTENTIAL USE IN COATINGS.
W. L. Kubie, J. L. O'Donnell, H. M. Teeter, and J. C. Cowan.
J. Am. Oil Chemists' Soc. 40(3): 105-107. March 1963.

1517 REACTIVITY OF ZINC OXIDE AND TITANIUM DIOXIDE IN THE PRESENCE OF DISPERSING AGENTS.
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111-C PARAMETERS OF EMULSION STABILITY.
Robert D. Vold and Robert C. Groot.
University of Southern California, Los Angeles.[2]
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23-PL-480 FRACTIONATION OF SOYBEAN AND LINSEED OIL FATTY ACIDS BY CRYSTALLIZATION.
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1516 CYCLIC FATTY ACID YIELDS FROM LINSEED OIL.
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E. Fedeli, P. Capella, and A. Valentini.
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Riv. Ital. Sostanza Grasse 40(6): 321-329. June 1963.

1548 DETERMINATION OF CYCLIC FATTY ACIDS BY GAS-LIQUID CHROMATOGRAPHY.
L. T. Black and R. A. Eisenhauer.
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L. E. Gast, Wilma J. Schneider, C. A. Forest, and J. C. Cowan.
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J. Am. Oil Chemists' Soc. 40(10): 584-587. October 1963.

1616 END-USE EVALUATION OF SOME COPOLYMERS AND TERPOLYMERS OF VINYL ETHERS OF LINSEED CONJUGATED FATTY ALCOHOLS.
R. H. Dent,[4] B. G. Brand,[4] H. M. Teeter, and J. C. Cowan.
J. Am. Oil Chemists' Soc. 40(12): 713-716. December 1963.

109-C SHAPE OF FLUID DROP AT A LIQUID-LIQUID INTERFACE.
H. M. Princen.
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1500 CHEMICALLY MODIFIED OIL PRODUCTS AND INDUSTRIAL USES. A LIST OF PUBLICATIONS AND PATENTS FOR 1962.
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1514 POLYOXYETHYLENE ETHERS OF SOME POLYOL GLYCOSIDES AND THEIR FATTY ESTERS.
F. H. Otey, C. L. Mehltretter, and C. E. Rist.
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1528 COST OF PRODUCING LINOLEIC ACID FROM SAFFLOWER OIL.
V. E. Sohns, R. E. Beal, and E. L. Griffin, Jr.
J. Am. Oil Chemists' Soc. 40(5): 169-172. May 1963.

PATENTS

[These patents are assigned to the Secretary of Agriculture. Printed copies of patents may be obtained only by purchase (25 cents each) from the Commissioner of Patents, U.S. Patent Office, Washington, D.C. 20231. Order by number, do not send stamps.]

METHOD OF PREPARING AN AIR-DRYING CONJUGATED SOYBEAN VINYL ETHER AND ISOBUTYL VINYL ETHER COPOLYMER.
Gus C. Mustakas.
U.S. Patent 3,085,079. April 9, 1963.

UNSATURATED ALDEHYDE OILS AND METHOD FOR PREPARING SAME.
Everett H. Pryde and Donald E. Anders.
U.S. Patent 3,112,329. November 26, 1963.

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[4] Battelle Memorial Institute, Columbus, Ohio.